

ABSTRACT

System and methods for automatically capturing and storing data from a network is disclosed. The system and methods include easy-to-use graphical user interfaces; integration with Web browsers; point-and-click selection of data targets; automatic input element parameter substitution to retrieve multiple pages from a single network address; periodic Web page retrieval from network servers at pre-specified intervals; dynamic tag string matching to locate text data on variable format HTML and XML pages; dynamic tree matching to locate data nodes in variable document object model representations of HTML and XML data; intelligent character recognition of graphical HTML or XML elements; graphical database, database table and table record creation; and automatic creation of formatted data files or direct storage to database.